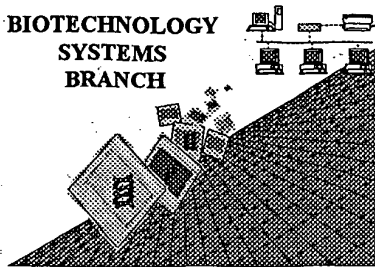


0590

0580  
2/22BIOTECHNOLOGY  
SYSTEMS  
BRANCH**RAW SEQUENCE LISTING  
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/040,906  
 Source: 01/PE  
 Date Processed by STIC: 1/23/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
 Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
 Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 10/040,906

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 \_\_\_\_\_ Wrapped Nucleics  
    Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 \_\_\_\_\_ Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 \_\_\_\_\_ Misaligned Amino  
    Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 \_\_\_\_\_ Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 \_\_\_\_\_ Variable Length  
Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 \_\_\_\_\_ PatentIn 2.0  
    "bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 \_\_\_\_\_ Skipped Sequences  
    (OLD RULES)  
Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 \_\_\_\_\_ Skipped Sequences  
    (NEW RULES)  
Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 \_\_\_\_\_ Use of n's or Xaa's  
    (NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 \_\_\_\_\_ Invalid <213>  
    Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 \_\_\_\_\_ Use of <220>  
Sequence(s) 8 \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 \_\_\_\_\_ PatentIn 2.0  
    "bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 \_\_\_\_\_ Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/040,906

DATE: 01/23/2002

TIME: 19:05:45

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

p.6

Does Not Comply  
Corrected Diskette Needed

2 <110> APPLICANT: Arnaut, Greta  
 3 Boets, Annemie  
 4 Vanneste, Stijn  
 5 Van Rie, Jeroen  
 6 Van Houdt, Sara  
 8 <120> TITLE OF INVENTION: Novel Bacillus thuringiensis insecticidal proteins  
 10 <130> FILE REFERENCE: 58764.000036  
 12 <140> CURRENT APPLICATION NUMBER: US/10/040,906  
 12 <141> CURRENT FILING DATE: 2002-01-09  
 12 <150> PRIOR APPLICATION NUMBER: US 09/756,296  
 13 <151> PRIOR FILING DATE: 2001-01-09  
 15 <160> NUMBER OF SEQ ID NOS: 9  
 17 <170> SOFTWARE: PatentIn version 3.0  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 1899  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Bacillus thuringiensis  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: CDS  
 26 <222> LOCATION: (1)..(1896)  
 28 <400> SEQUENCE: 1  
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 31 Met Asn Asn Val Leu Asn Asn Gly Arg Thr Thr Ile Cys Asp Ala Tyr  
 32 1 5 10 15  
 34 aat gta gtg gcc cat gat cca ttt agt ttt gag cat aaa tca tta gat 96  
 35 Asn Val Val Ala His Asp Pro Phe Ser Phe Glu His Lys Ser Leu Asp  
 36 20 25 30  
 38 acc atc cga aaa gaa tgg atg gag tgg aaa aga aca gat cat agt tta 144  
 39 Thr Ile Arg Lys Glu Trp Met Glu Trp Lys Arg Thr Asp His Ser Leu  
 40 35 40 45  
 42 tat gta gct cct ata gtc gga act gtt tct agc ttt ctg cta aag aag 192  
 43 Tyr Val Ala Pro Ile Val Gly Thr Val Ser Ser Phe Leu Leu Lys Lys  
 44 50 55 60  
 46 gtg ggg agt ctt att gga aaa agg ata ttg agt gaa tta tgg ggg tta 240  
 47 Val Gly Ser Leu Ile Gly Lys Arg Ile Leu Ser Glu Leu Trp Gly Leu  
 48 65 70 75 80  
 50 ata ttt cct agt ggt agc aca aat cta atg caa gat att tta agg gag 288  
 51 Ile Phe Pro Ser Gly Ser Thr Asn Leu Met Gln Asp Ile Leu Arg Glu  
 52 85 90 95  
 54 aca gaa caa ttc cta aat caa aga ctt aat aca gac act ctt gcc cgt 336  
 55 Thr Glu Gln Phe Leu Asn Gln Arg Leu Asn Thr Asp Thr Leu Ala Arg  
 56 100 105 110  
 58 gta aat gcg gaa ttg gaa ggg ctg caa gcg aat ata agg gag ttt aat 384

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/040,906

DATE: 01/23/2002

TIME: 19:05:45

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

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59 Val Asn Ala Glu Leu Glu Gly Leu Gln Ala Asn Ile Arg Glu Phe Asn
60      115      120      125
62 caa caa gta gat aat ttt tta aat cct act caa aac cct gtt cct tta      432
63 Gln Gln Val Asp Asn Phe Leu Asn Pro Thr Gln Asn Pro Val Pro Leu
64      130      135      140
66 tca ata act tct tca gtt aat aca atg cag caa tta ttt cta aat aga      480
67 Ser Ile Thr Ser Ser Val Asn Thr Met Gln Gln Leu Phe Leu Asn Arg
68 145      150      155      160
70 tta ccc cag ttc cgt gtg caa gga tac caa ctg tta tta tta cct tta      528
71 Leu Pro Gln Phe Arg Val Gln Gly Tyr Gln Leu Leu Leu Leu Pro Leu
72      165      170      175
74 ttt gca cag gca gcc aat atg cat ctt tct ttt att aga gat gtt gtt      576
75 Phe Ala Gln Ala Ala Asn Met His Leu Ser Phe Ile Arg Asp Val Val
76      180      185      190
78 ctc aat gca gat gaa tgg gga att tca gca gca aca tta cgt acg tat      624
79 Leu Asn Ala Asp Glu Trp Gly Ile Ser Ala Ala Thr Leu Arg Thr Tyr
80      195      200      205
82 caa aat tat ctg aaa aat tat aca aca gag tac tct aat tat tgt ata      672
83 Gln Asn Tyr Leu Lys Asn Tyr Thr Thr Glu Tyr Ser Asn Tyr Cys Ile
84      210      215      220
86 aat acg tat caa act gcg ttt aga ggt tta aac acc cgt tta cac gat      720
87 Asn Thr Tyr Gln Thr Ala Phe Arg Gly Leu Asn Thr Arg Leu His Asp
88 225      230      235      240
90 atg tta gaa ttt aga aca tat atg ttt tta aat gta ttt gaa tat gta      768
91 Met Leu Glu Phe Arg Thr Tyr Met Phe Leu Asn Val Phe Glu Tyr Val
92      245      250      255
94 tct atc tgg tgc ttg ttt aaa tat caa agc ctt cta gta tct tct ggc      816
95 Ser Ile Trp Ser Leu Phe Lys Tyr Gln Ser Leu Leu Val Ser Ser Gly
96      260      265      270
98 gct aat tta tat gca agc ggt agt gga cca cag cag act caa tca ttt      864
99 Ala Asn Leu Tyr Ala Ser Gly Ser Gly Pro Gln Gln Thr Gln Ser Phe
100      275      280      285
102 act tca caa gac tgg cca ttt tta tat tct ctt ttc caa gtt aat tca      912
103 Thr Ser Gln Asp Trp Pro Phe Leu Tyr Ser Leu Phe Gln Val Asn Ser
104      290      295      300
106 aat tat gtg tta aat ggc ttt agt ggc gct aga ctt acg cag act ttc      960
107 Asn Tyr Val Leu Asn Gly Phe Ser Gly Ala Arg Leu Thr Gln Thr Phe
108 305      310      315      320
110 cct aat att ggt ggt tta cct ggt act act aca act cac gca ttg ctt      1008
111 Pro Asn Ile Gly Gly Leu Pro Gly Thr Thr Thr Thr His Ala Leu Leu
112      325      330      335
114 gcg gca agg gtc aat tac agt gga gga gtt tgc tct ggt gat ata ggc      1056
115 Ala Ala Arg Val Asn Tyr Ser Gly Gly Val Ser Ser Gly Asp Ile Gly
116      340      345      350
118 gct gtg ttt aat caa aat ttt agt tgt agc aca ttt ctc cca cct ttg      1104
119 Ala Val Phe Asn Gln Asn Phe Ser Cys Ser Thr Phe Leu Pro Pro Leu
120      355      360      365
122 tta aca cca ttt gtt agg agt tgg cta gat tca ggt tca gat cga ggg      1152
123 Leu Thr Pro Phe Val Arg Ser Trp Leu Asp Ser Gly Ser Asp Arg Gly

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/040,906

DATE: 01/23/2002

TIME: 19:05:45

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

|     |   |      |     |  |
|-----|---|------|-----|--|
| 124 | 370   | 375  | 380 |  |
| 126 | ggt gtt aat acc gtt aca aat tgg caa aca gaa tcg ttt gag tca act | 1200 |     |  |
| 127 | Gly Val Asn Thr Val Thr Asn Trp Gln Thr Glu Ser Phe Glu Ser Thr |      |     |  |
| 128 | 385 390 395 400   |      |     |  |
| 130 | tta ggt tta agg tgt ggt gct ttt aca gct cgt ggt aat tca aac tat | 1248 |     |  |
| 131 | Leu Gly Leu Arg Cys Gly Ala Phe Thr Ala Arg Gly Asn Ser Asn Tyr |      |     |  |
| 132 | 405 410 415   |      |     |  |
| 134 | ttc.cca gat tat ttt atc cgt aat att tca gga gtt cct tta gtt gtt | 1296 |     |  |
| 135 | Phe Pro Asp Tyr Phe Ile Arg Asn Ile Ser Gly Val Pro Leu Val Val |      |     |  |
| 136 | 420 425 430   |      |     |  |
| 138 | aga aat gaa gat tta aga aga ccg tta cac tat aat gaa ata aga aat | 1344 |     |  |
| 139 | Arg Asn Glu Asp Leu Arg Arg Pro Leu His Tyr Asn Glu Ile Arg Asn |      |     |  |
| 140 | 435 440 445   |      |     |  |
| 142 | ata gaa agt cct tca gga aca cct ggt gga tta cga gct tat atg gta | 1392 |     |  |
| 143 | Ile Glu Ser Pro Ser Gly Thr Pro Gly Gly Leu Arg Ala Tyr Met Val |      |     |  |
| 144 | 450 455 460   |      |     |  |
| 146 | tct gtg cat aat aga aaa aat aat atc tat gcc gtg cat gaa aat ggt | 1440 |     |  |
| 147 | Ser Val His Asn Arg Lys Asn Asn Ile Tyr Ala Val His Glu Asn Gly |      |     |  |
| 148 | 465 470 475 480   |      |     |  |
| 150 | act atg att cat tta gcg ccg gaa gat tat aca gga ttc acc ata tcg | 1488 |     |  |
| 151 | Thr Met Ile His Leu Ala Pro Glu Asp Tyr Thr Gly Phe Thr Ile Ser |      |     |  |
| 152 | 485 490 495   |      |     |  |
| 154 | ccg ata cat gca act caa gtg aat aat caa acg cga aca ttt att tct | 1536 |     |  |
| 155 | Pro Ile His Ala Thr Gln Val Asn Asn Gln Thr Arg Thr Phe Ile Ser |      |     |  |
| 156 | 500 505 510   |      |     |  |
| 158 | gaa aaa ttt gga aat caa ggt gat tcc tta aga ttt gaa caa agc aac | 1584 |     |  |
| 159 | Glu Lys Phe Gly Asn Gln Gly Asp Ser Leu Arg Phe Glu Gln Ser Asn |      |     |  |
| 160 | 515 520 525   |      |     |  |
| 162 | acg aca gca cgt tat aca ctt aga gga aat gga aat agt tac aat ctt | 1632 |     |  |
| 163 | Thr Thr Ala Arg Tyr Thr Leu Arg Gly Asn Gly Asn Ser Tyr Asn Leu |      |     |  |
| 164 | 530 535 540   |      |     |  |
| 166 | tat tta aga gta tct tca cta gga aat tcc act att cga gtt act ata | 1680 |     |  |
| 167 | Tyr Leu Arg Val Ser Ser Leu Gly Asn Ser Thr Ile Arg Val Thr Ile |      |     |  |
| 168 | 545 550 555 560   |      |     |  |
| 170 | aac ggt agg gtt tat act gct tca aat gtt aat act act aca aat aac | 1728 |     |  |
| 171 | Asn Gly Arg Val Tyr Thr Ala Ser Asn Val Asn Thr Thr Thr Asn Asn |      |     |  |
| 172 | 565 570 575   |      |     |  |
| 174 | gat gga gtt aat gat aat ggc gct cgt ttt tta gat att aat atg ggt | 1776 |     |  |
| 175 | Asp Gly Val Asn Asp Asn Gly Ala Arg Phe Leu Asp Ile Asn Met Gly |      |     |  |
| 176 | 580 585 590   |      |     |  |
| 178 | aat gta gta gca agt gat aat act aat gta ccg tta gat ata aat gtg | 1824 |     |  |
| 179 | Asn Val Val Ala Ser Asp Asn Thr Asn Val Pro Leu Asp Ile Asn Val |      |     |  |
| 180 | 595 600 605   |      |     |  |
| 182 | aca ttt aac tcc ggt act caa ttt gag ctt atg aat att atg ttt gtt | 1872 |     |  |
| 183 | Thr Phe Asn Ser Gly Thr Gln Phe Glu Leu Met Asn Ile Met Phe Val |      |     |  |
| 184 | 610 615 620   |      |     |  |
| 186 | cca act aat ctt cca cca ata tat taa                             | 1899 |     |  |
| 187 | Pro Thr Asn Leu Pro Pro Ile Tyr                                 |      |     |  |
| 188 | 625 630   |      |     |  |

## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/040,906

TIME: 19:05:45

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

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191 <210> SEQ ID NO: 2
192 <211> LENGTH: 632
193 <212> TYPE: PRT
194 <213> ORGANISM: Bacillus thuringiensis
196 <400> SEQUENCE: 2
198 Met Asn Asn Val Leu Asn Asn Gly Arg Thr Thr Ile Cys Asp Ala Tyr
199 1 5 10 15
202 Asn Val Val Ala His Asp Pro Phe Ser Phe Glu His Lys Ser Leu Asp
203 20 25 30
206 Thr Ile Arg Lys Glu Trp Met Glu Trp Lys Arg Thr Asp His Ser Leu
207 35 40 45
210 Tyr Val Ala Pro Ile Val Gly Thr Val Ser Ser Phe Leu Leu Lys Lys
211 50 55 60
214 Val Gly Ser Leu Ile Gly Lys Arg Ile Leu Ser Glu Leu Trp Gly Leu
215 65 70 75 80
218 Ile Phe Pro Ser Gly Ser Thr Asn Leu Met Gln Asp Ile Leu Arg Glu
219 85 90 95
222 Thr Glu Gln Phe Leu Asn Gln Arg Leu Asn Thr Asp Thr Leu Ala Arg
223 100 105 110
226 Val Asn Ala Glu Leu Glu Gly Leu Gln Ala Asn Ile Arg Glu Phe Asn
227 115 120 125
230 Gln Gln Val Asp Asn Phe Leu Asn Pro Thr Gln Asn Pro Val Pro Leu
231 130 135 140
234 Ser Ile Thr Ser Ser Val Asn Thr Met Gln Gln Leu Phe Leu Asn Arg
235 145 150 155 160
238 Leu Pro Gln Phe Arg Val Gln Gly Tyr Gln Leu Leu Leu Leu Pro Leu
239 165 170 175
242 Phe Ala Gln Ala Ala Asn Met His Leu Ser Phe Ile Arg Asp Val Val
243 180 185 190
246 Leu Asn Ala Asp Glu Trp Gly Ile Ser Ala Ala Thr Leu Arg Thr Tyr
247 195 200 205
250 Gln Asn Tyr Leu Lys Asn Tyr Thr Thr Glu Tyr Ser Asn Tyr Cys Ile
251 210 215 220
254 Asn Thr Tyr Gln Thr Ala Phe Arg Gly Leu Asn Thr Arg Leu His Asp
255 225 230 235 240
258 Met Leu Glu Phe Arg Thr Tyr Met Phe Leu Asn Val Phe Glu Tyr Val
259 245 250 255
262 Ser Ile Trp Ser Leu Phe Lys Tyr Gln Ser Leu Leu Val Ser Ser Gly
263 260 265 270
266 Ala Asn Leu Tyr Ala Ser Gly Ser Gly Pro Gln Gln Thr Gln Ser Phe
267 275 280 285
270 Thr Ser Gln Asp Trp Pro Phe Leu Tyr Ser Leu Phe Gln Val Asn Ser
271 290 295 300
274 Asn Tyr Val Leu Asn Gly Phe Ser Gly Ala Arg Leu Thr Gln Thr Phe
275 305 310 315 320
278 Pro Asn Ile Gly Gly Leu Pro Gly Thr Thr Thr Thr His Ala Leu Leu
279 325 330 335
282 Ala Ala Arg Val Asn Tyr Ser Gly Gly Val Ser Ser Gly Asp Ile Gly
283 340 345 350

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/040,906

DATE: 01/23/2002

TIME: 19:05:45

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

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286 Ala Val Phe Asn Gln Asn Phe Ser Cys Ser Thr Phe Leu Pro Pro Leu
287          355          360          365
290 Leu Thr Pro Phe Val Arg Ser Trp Leu Asp Ser Gly Ser Asp Arg Gly
291          370          375          380
294 Gly Val Asn Thr Val Thr Asn Trp Gln Thr Glu Ser Phe Glu Ser Thr
295 385          390          395          400
298 Leu Gly Leu Arg Cys Gly Ala Phe Thr Ala Arg Gly Asn Ser Asn Tyr
299          405          410          415
302 Phe Pro Asp Tyr Phe Ile Arg Asn Ile Ser Gly Val Pro Leu Val Val
303          420          425          430
306 Arg Asn Glu Asp Leu Arg Arg Pro Leu His Tyr Asn Glu Ile Arg Asn
307          435          440          445
310 Ile Glu Ser Pro Ser Gly Thr Pro Gly Gly Leu Arg Ala Tyr Met Val
311          450          455          460
314 Ser Val His Asn Arg Lys Asn Asn Ile Tyr Ala Val His Glu Asn Gly
315 465          470          475          480
318 Thr Met Ile His Leu Ala Pro Glu Asp Tyr Thr Gly Phe Thr Ile Ser
319          485          490          495
322 Pro Ile His Ala Thr Gln Val Asn Asn Gln Thr Arg Thr Phe Ile Ser
323          500          505          510
326 Glu Lys Phe Gly Asn Gln Gly Asp Ser Leu Arg Phe Glu Gln Ser Asn
327          515          520          525
330 Thr Thr Ala Arg Tyr Thr Leu Arg Gly Asn Gly Asn Ser Tyr Asn Leu
331          530          535          540
334 Tyr Leu Arg Val Ser Ser Leu Gly Asn Ser Thr Ile Arg Val Thr Ile
335 545          550          555          560
338 Asn Gly Arg Val Tyr Thr Ala Ser Asn Val Asn Thr Thr Thr Asn Asn
339          565          570          575
342 Asp Gly Val Asn Asp Asn Gly Ala Arg Phe Leu Asp Ile Asn Met Gly
343          580          585          590
346 Asn Val Val Ala Ser Asp Asn Thr Asn Val Pro Leu Asp Ile Asn Val
347          595          600          605
350 Thr Phe Asn Ser Gly Thr Gln Phe Glu Leu Met Asn Ile Met Phe Val
351          610          615          620
354 Pro Thr Asn Leu Pro Pro Ile Tyr
355 625          630
358 <210> SEQ ID NO: 3
359 <211> LENGTH: 1899
360 <212> TYPE: DNA
361 <213> ORGANISM: Bacillus thuringiensis
363 <220> FEATURE:
364 <221> NAME/KEY: CDS
365 <222> LOCATION: (1)..(1896)
367 <400> SEQUENCE: 3
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371 1          5          10          15
373 aat gta gtg gct cat gat cca ttt agt ttt caa cat aaa tca tta gat      96
374 Asn Val Val Ala His Asp Pro Phe Ser Phe Gln His Lys Ser Leu Asp

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<210> 8  
<211> 633  
<212> PRT

<213> Artificial Sequence

<400> 8

see item 11 on Error Summary Sheet



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/040,906

DATE: 01/23/2002

TIME: 19:05:46

Input Set : A:\wnew2asus2.st25.txt

Output Set: N:\CRF3\01232002\J040906.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1217 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1217 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: